

FIG. 1

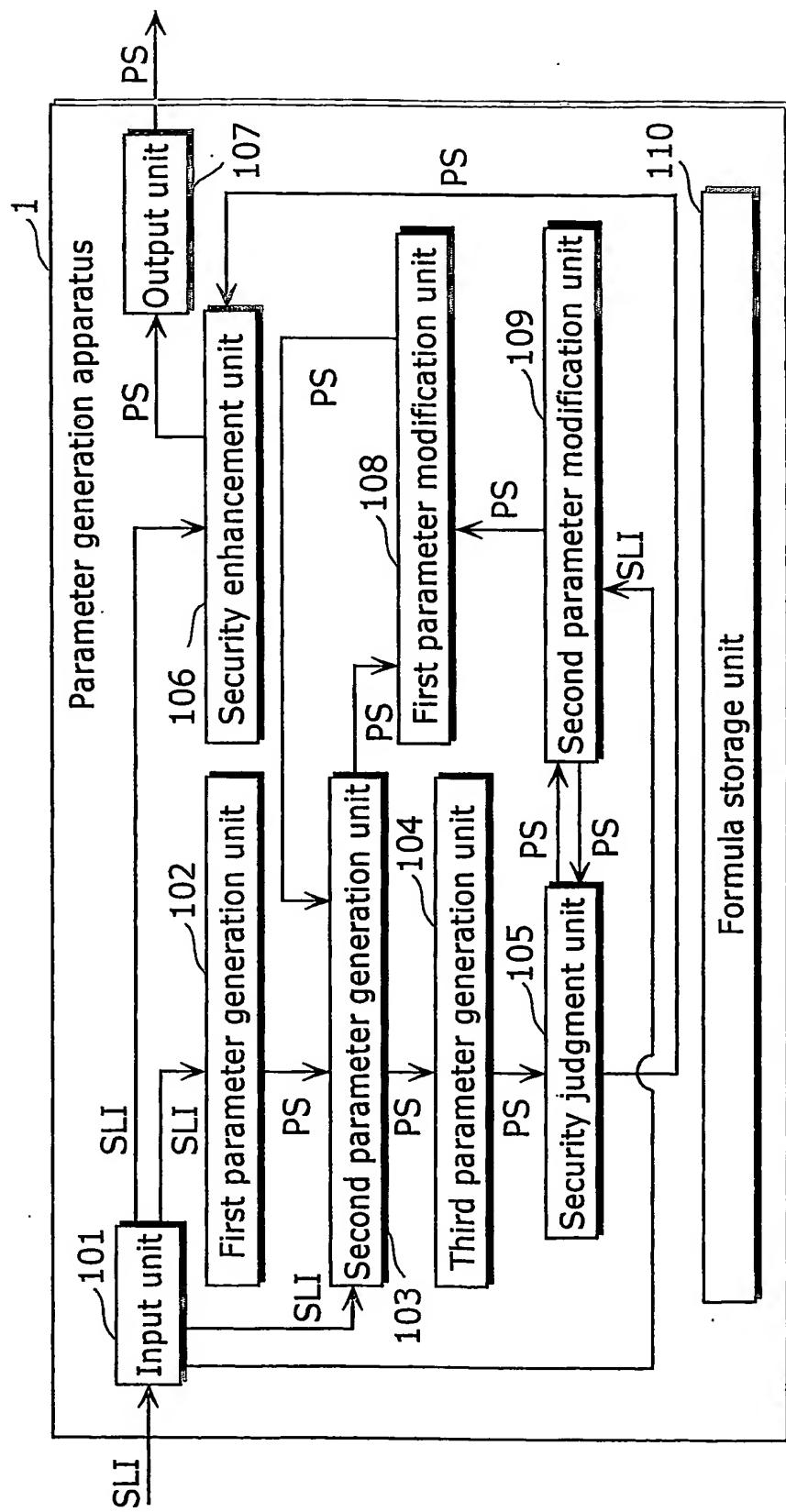


FIG. 2

Parameter N	Decryption time T (seconds)
70	16.587
72	18.68
74	26.497
76	25.869
78	31.182
80	37.76
82	56.442
84	56.359
86	68.174
88	86.6
90	111.78

FIG. 3

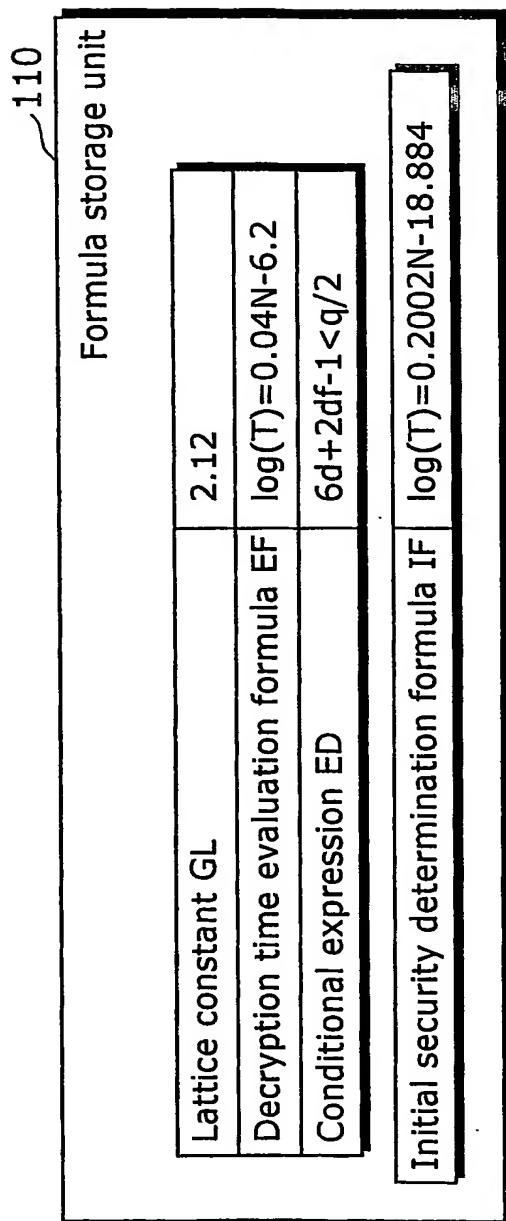


FIG. 4 Processing start

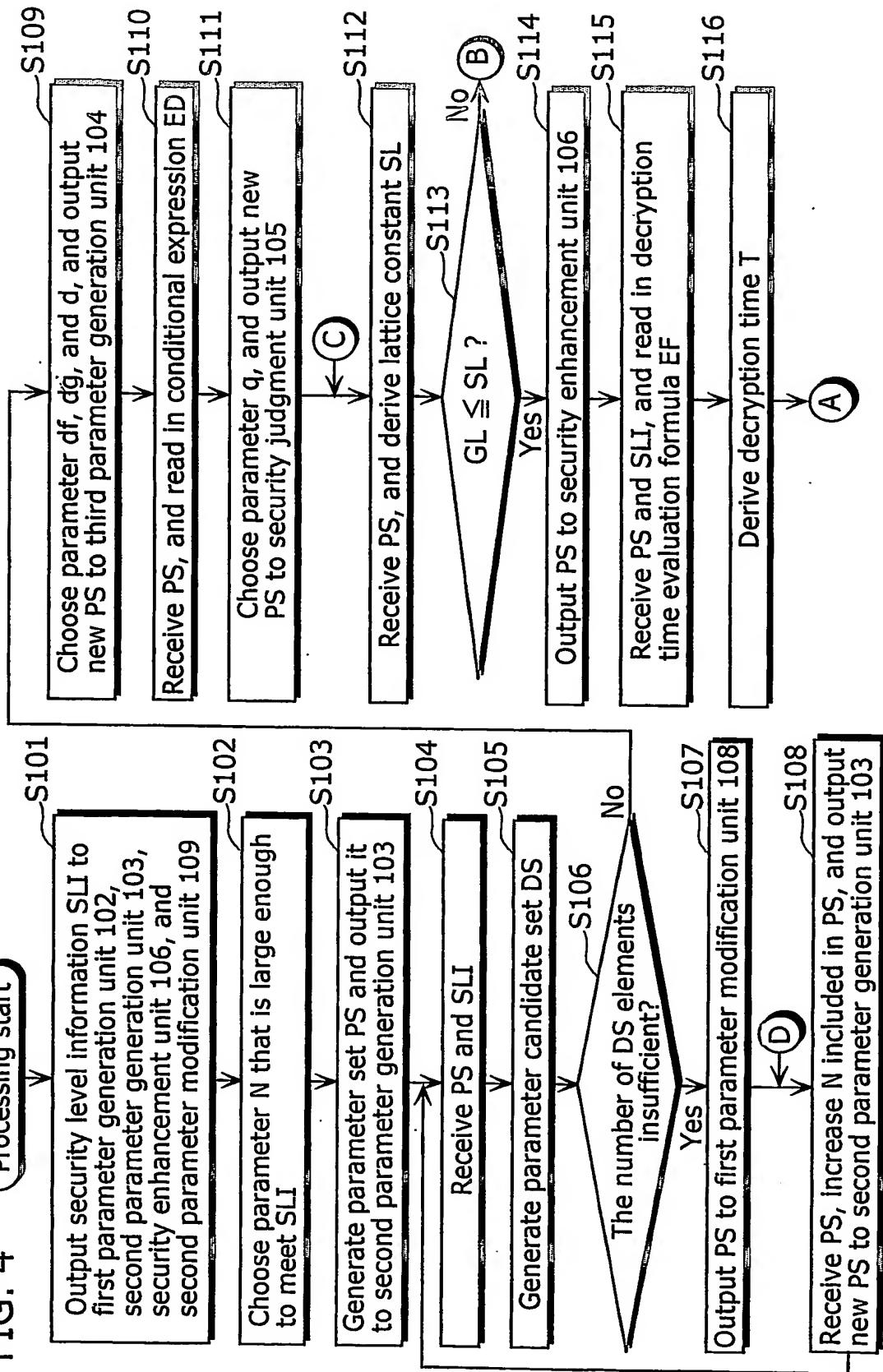


FIG. 5

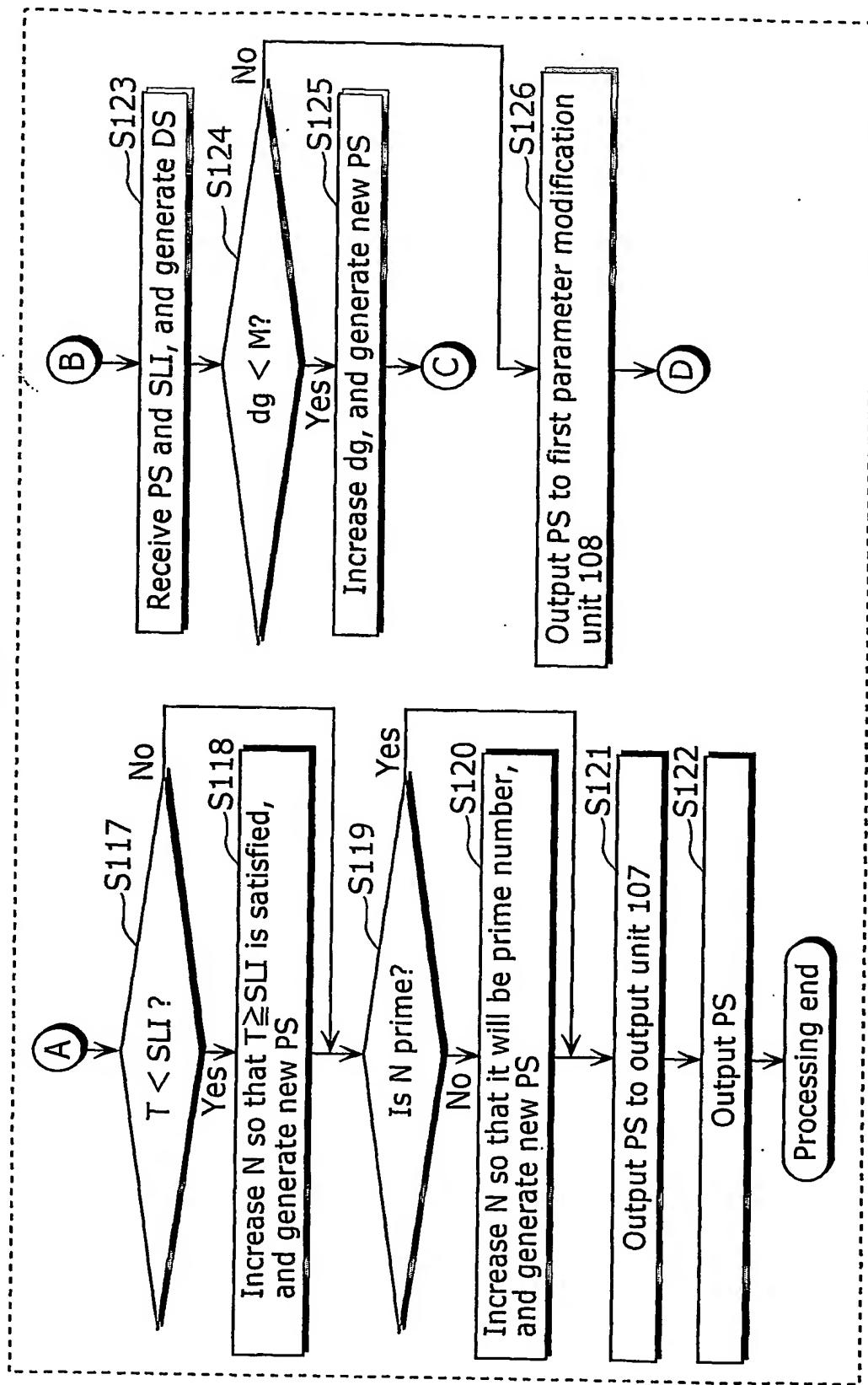


FIG. 6

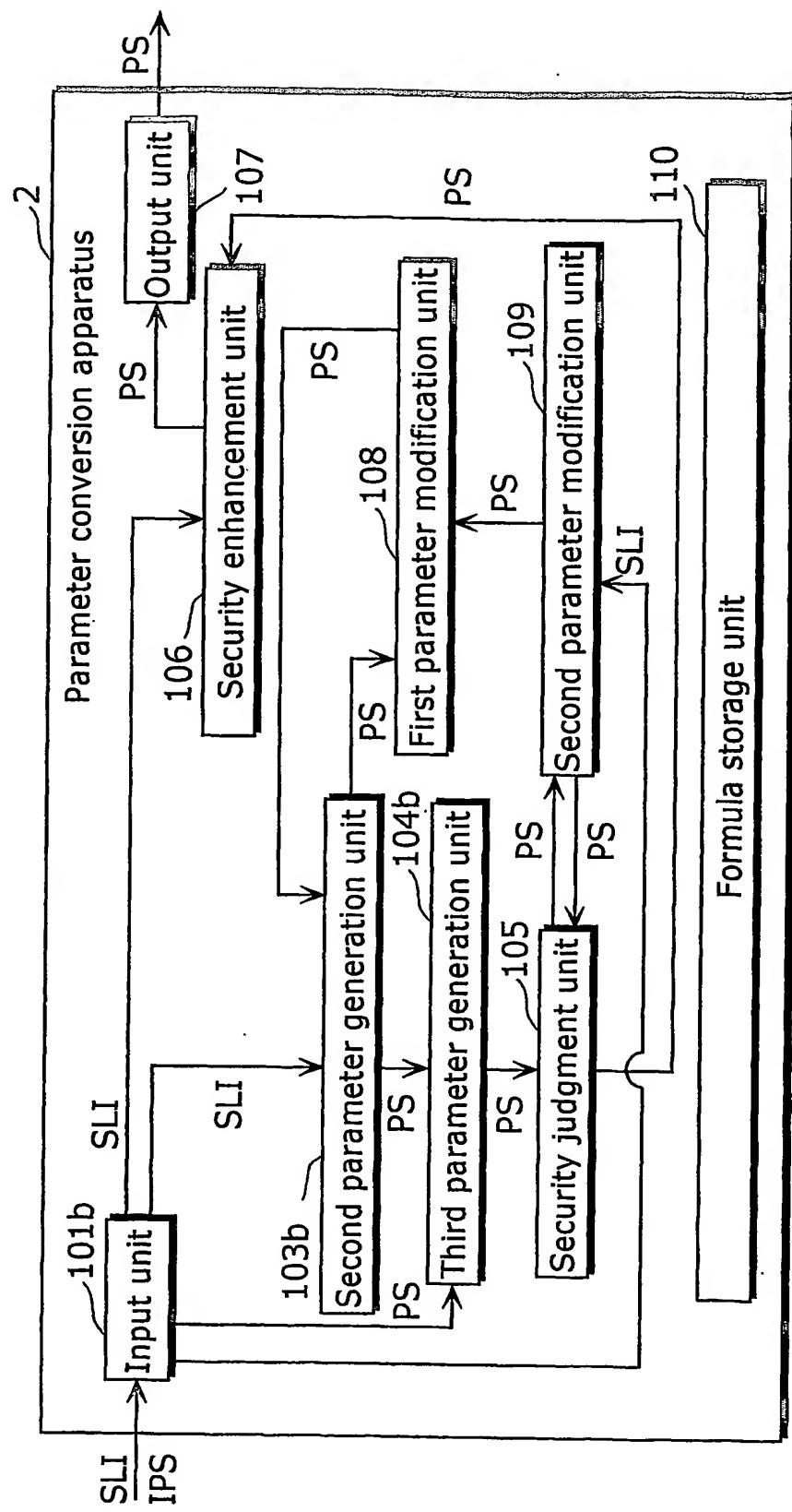


FIG. 7

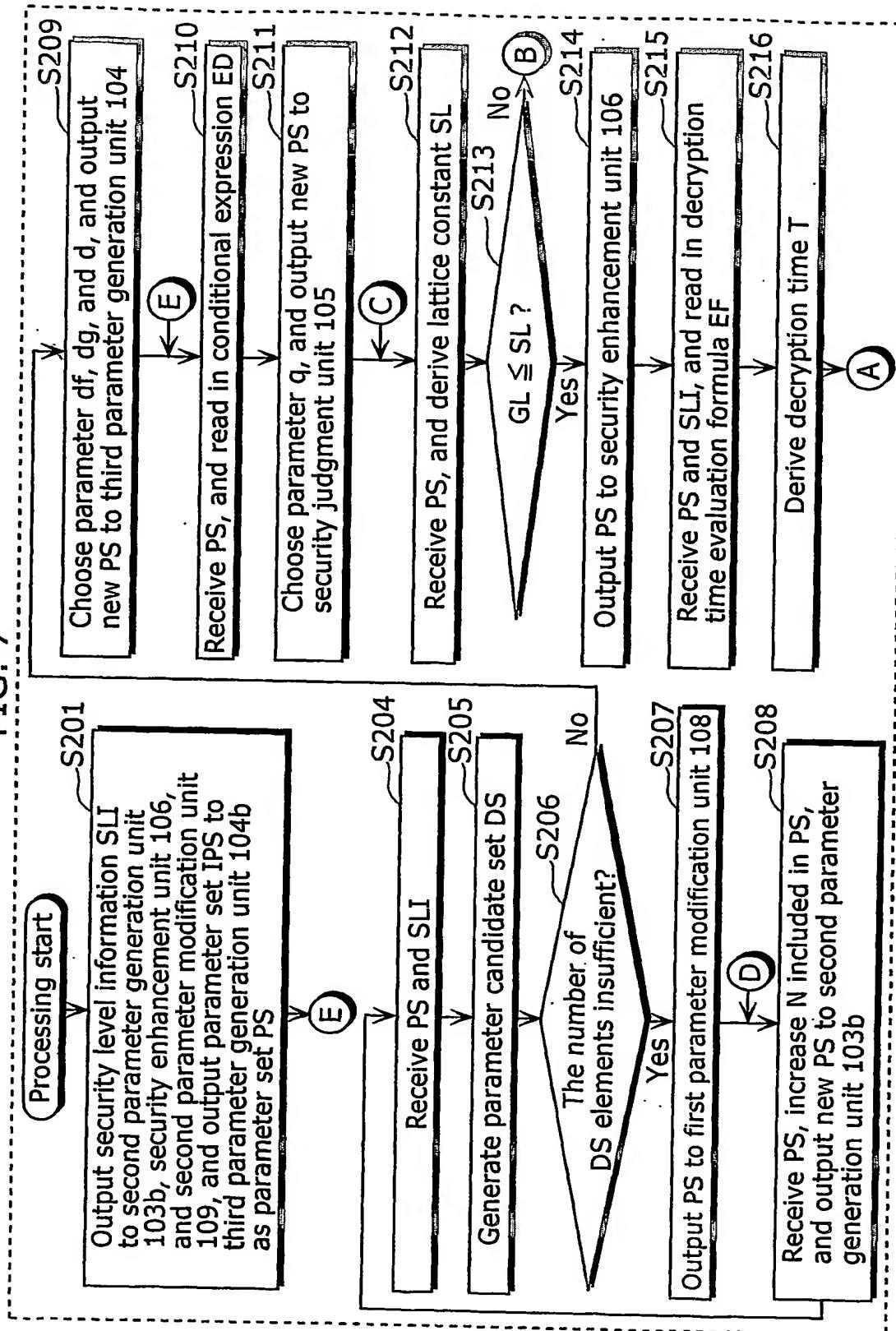


FIG. 8

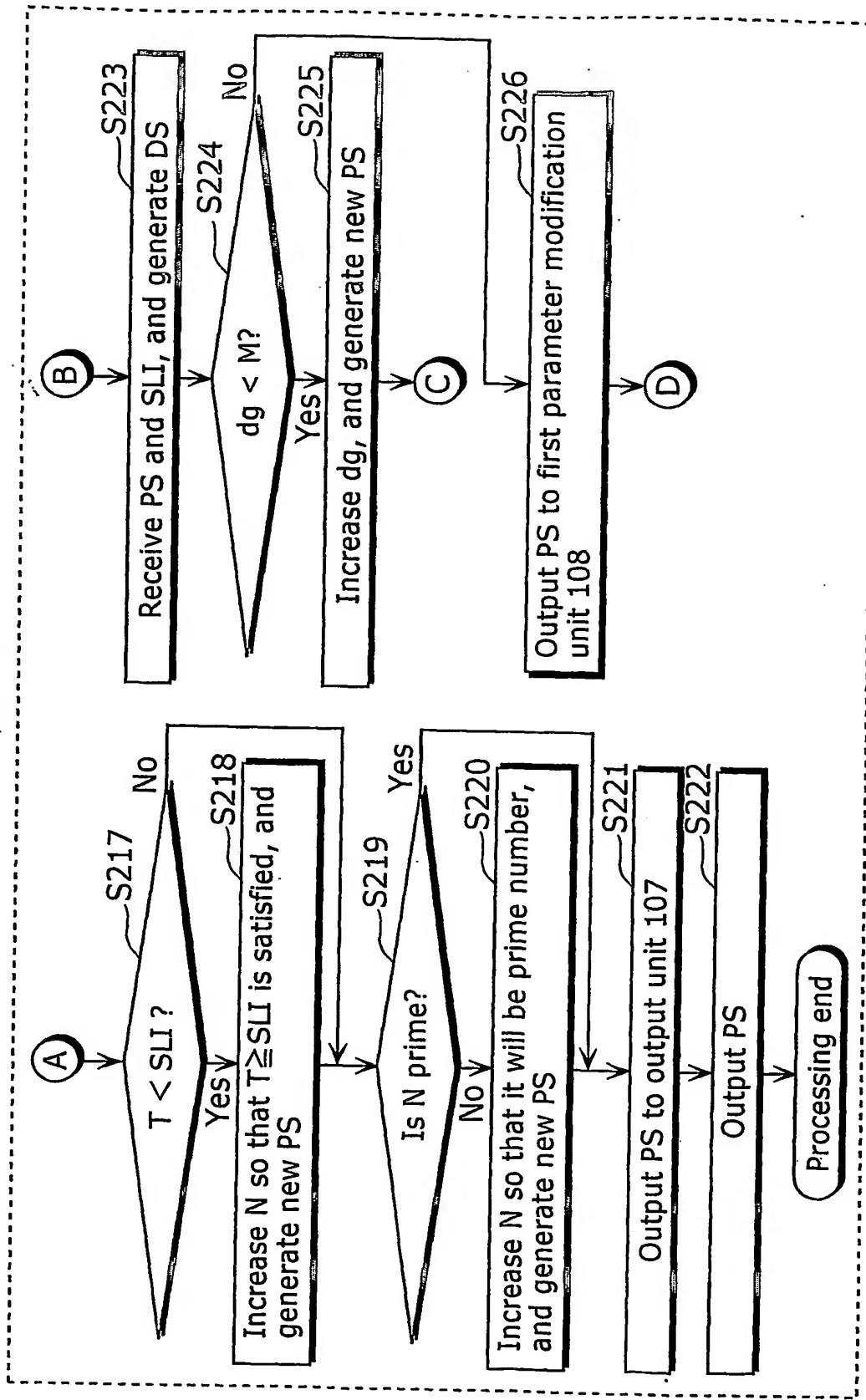


FIG. 9

Security level information SLI	Parameter set IPS
For 512-bit RSA encryption	$IPS=(167, 3, 128, 61, 280, 18)$
For 1024-bit RSA encryption	$IPS=(263, 3, 128, 50, 24, 16)$
For 2048-bit RSA encryption	$IPS=(503, 3, 256, 217, 72, 55)$
:	:

FIG. 10

Formula storage unit 110		
Lattice constant GL	2.12	
Decryption time evaluation formula EF		$\log(T)=0.04N-6.2$
Lattice constant GL	3.5	
Decryption time evaluation formula EF		$\log(T)=0.08N-4.8$
Lattice constant GL	4.6	
Decryption time evaluation formula EF		$\log(T)=0.13N-4.4$
Conditional expression ED		$6d+2df-1 < q/2$
Initial security determination formula IF		$\log(T)=0.2002N-18.884$

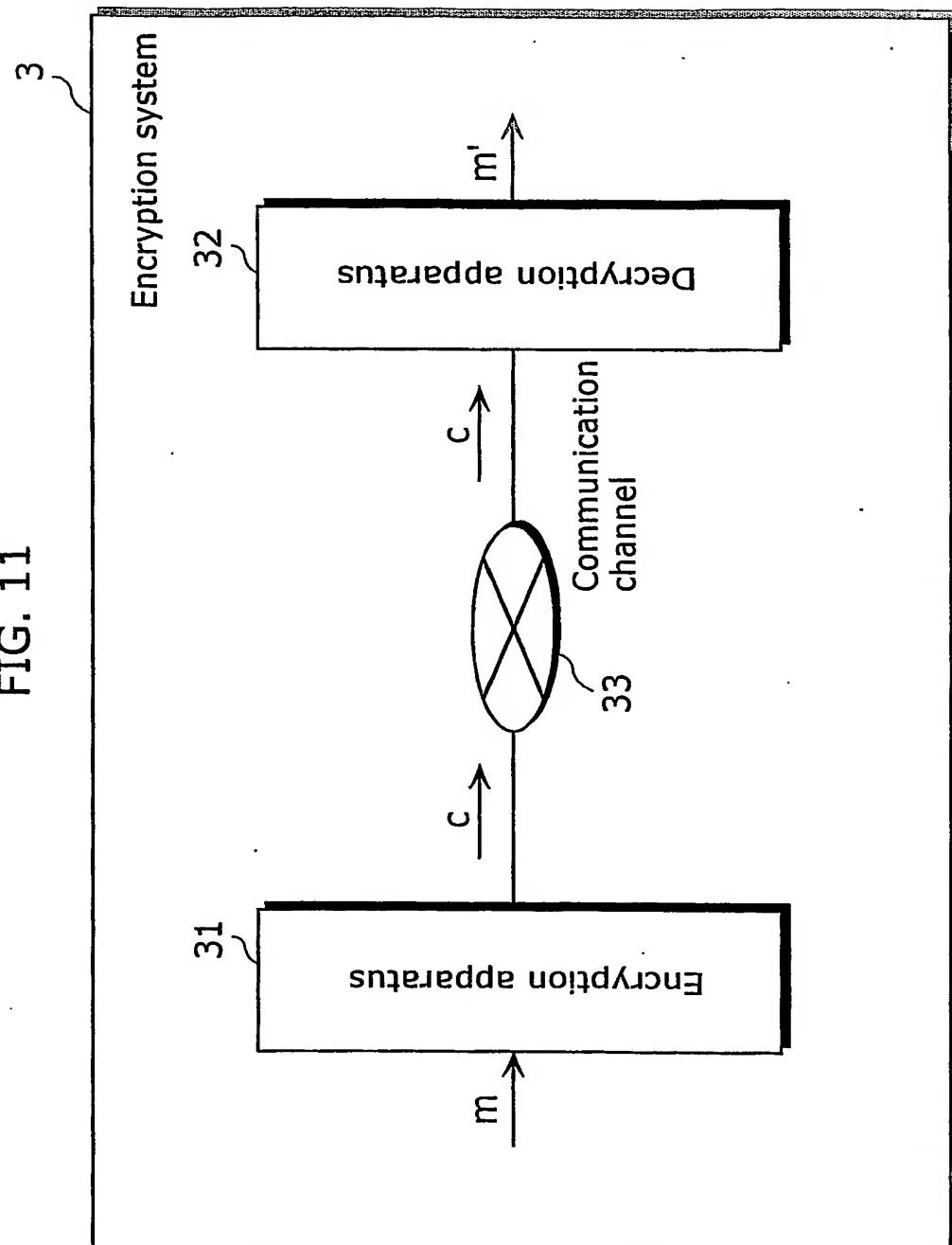
FIG. 11

FIG. 12

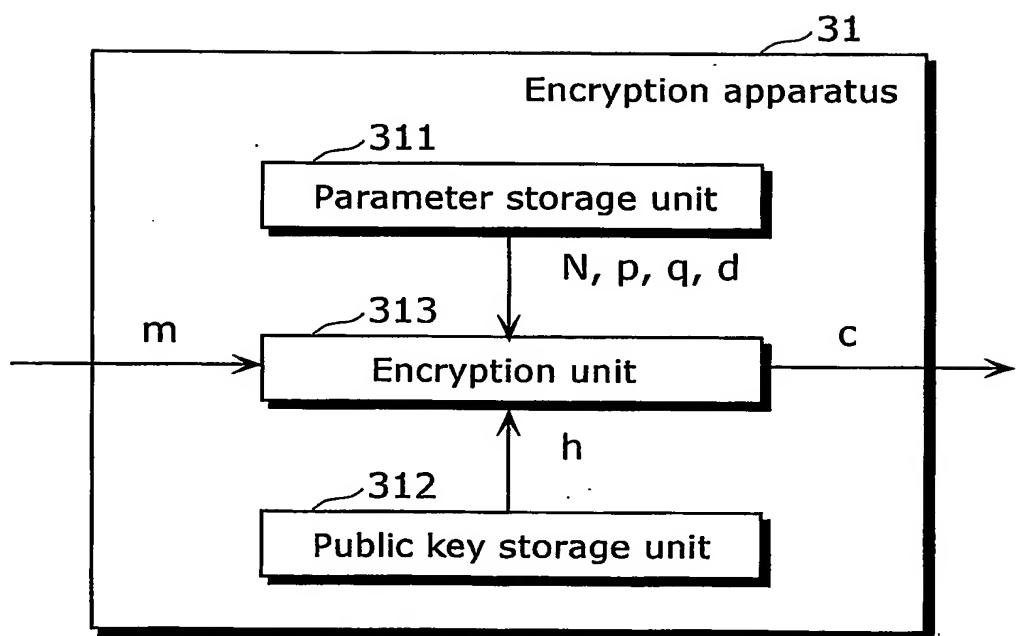


FIG. 13

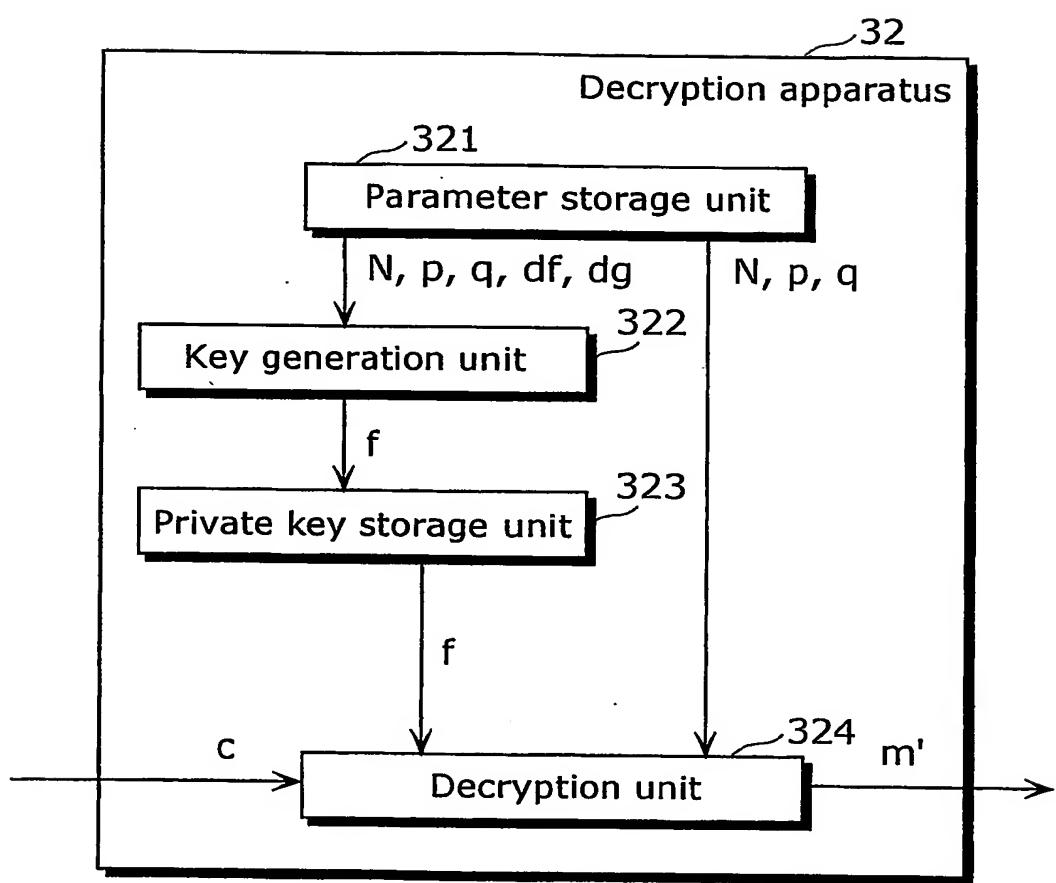


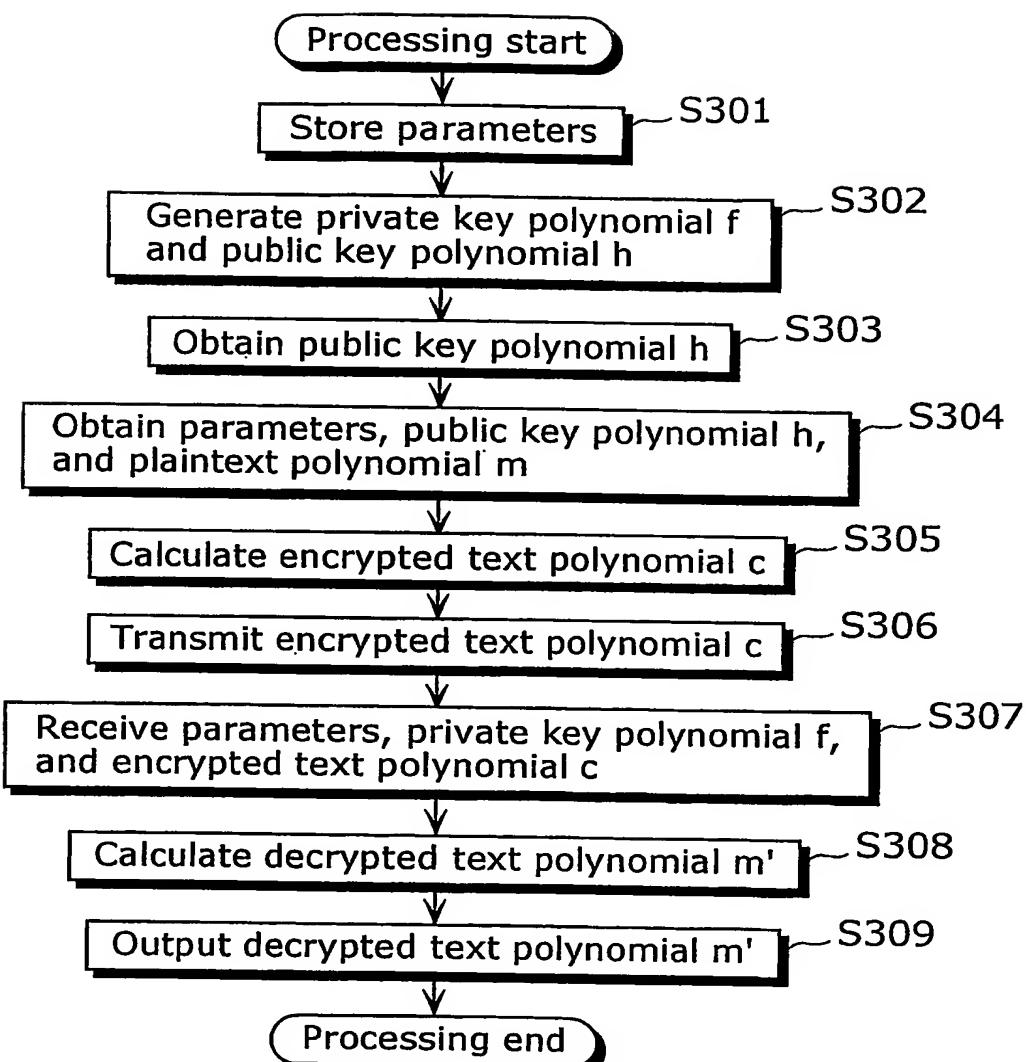
FIG. 14

FIG. 15

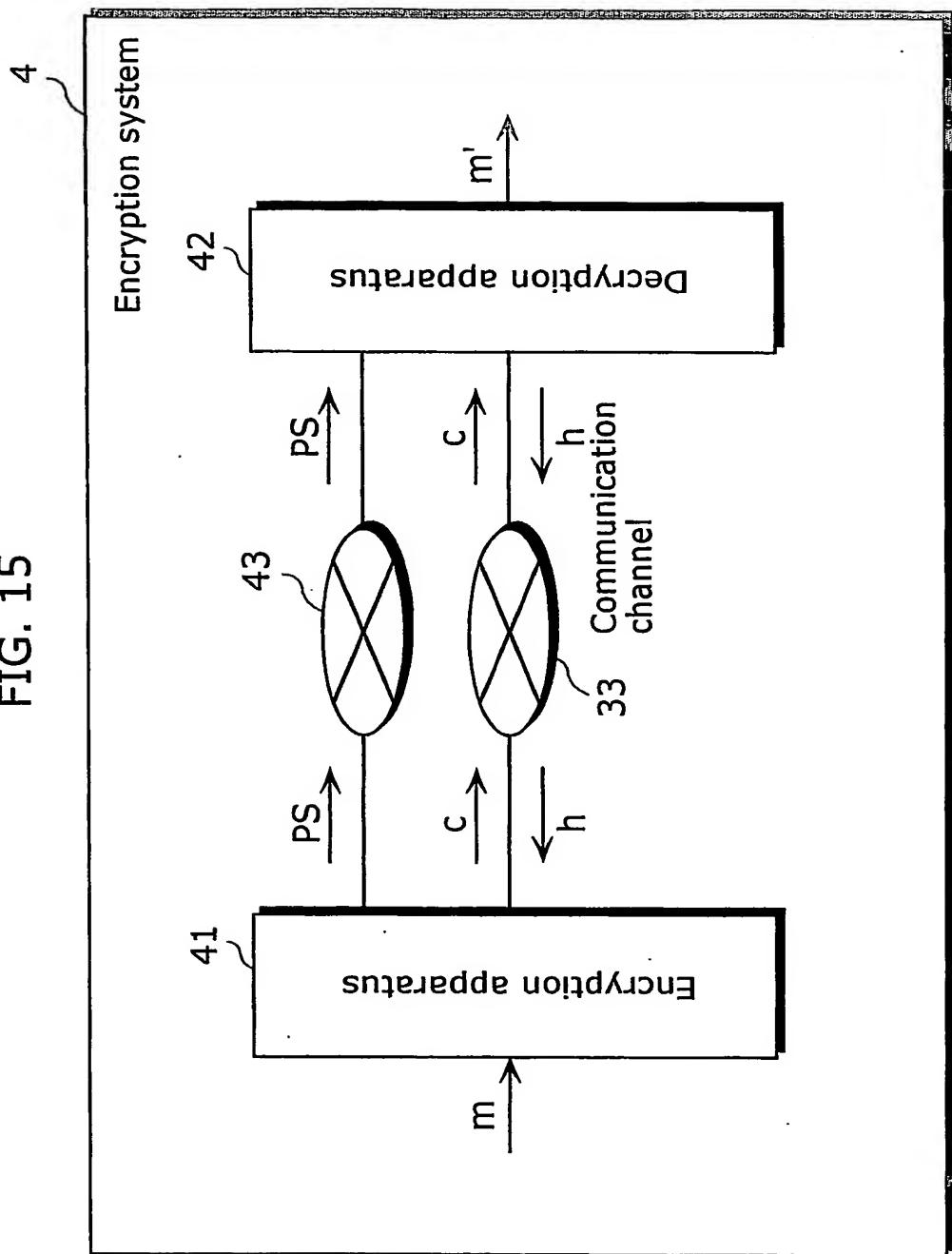


FIG. 16

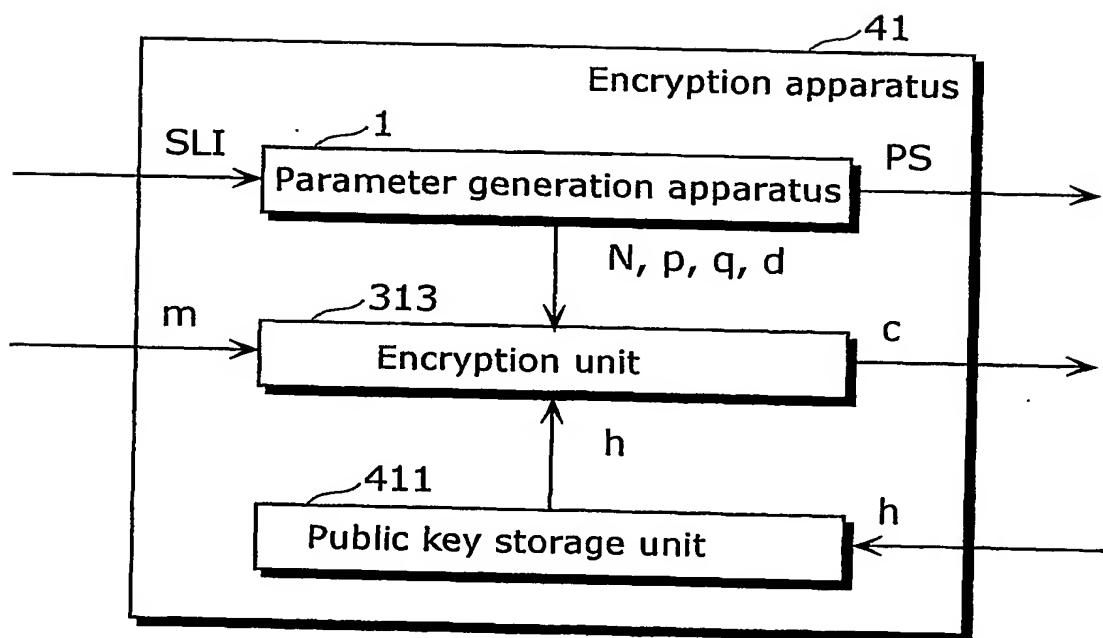


FIG. 17

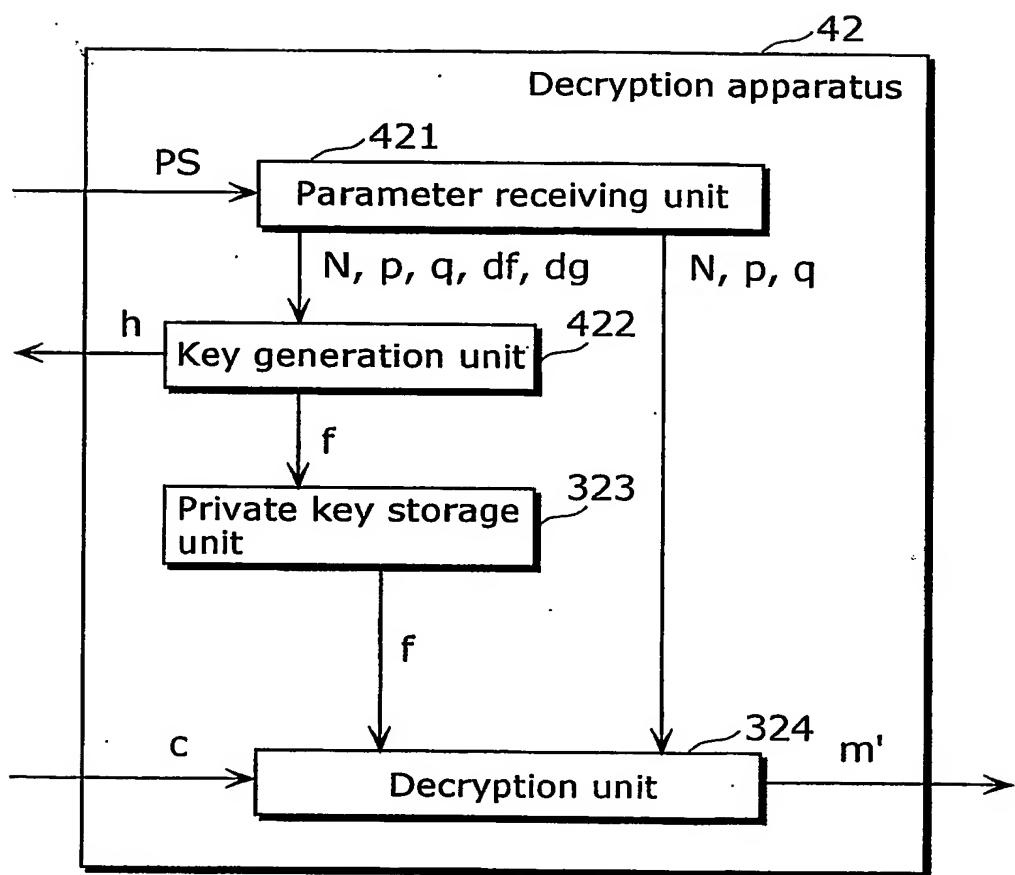


FIG. 18

